

Robert Nelson

From: Tom LeGates [trlegates@comcast.net]
Sent: Monday, March 21, 2011 9:19 AM
To: Tom LeGates
Subject: Winds Aloft for March 2011

FT	3000	6000	9000	12000	18000	24000	30000	34000	39000
STL	1910	2212+13	2712+09	2820+03	2831-09	2829-20	263936	266145	267657
SPI	1409	1711+13	2506+08	2613+02	2733-10	3026-21	284336	276345	268558

WINDS ALOFT

BRL	1513	1515+12	2009+07	2714+01	2624-10	2937-21	264637	276046	268358
DBQ	1216	1420+11	1711+05	2109+01	2421-13	2725-22	284037	275248	267459
JOT	1115	1211+11	9900+05	2105+01	2727-11	2826-23	294737	276347	288259

Newsletter of EAA Chapter 790 March 2011

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MARCH MEETING ON 5TH TUESDAY

The meeting will be held one week later than usual, on March 29, on the 5th Tuesday instead of the 4th Tuesday. Larry Rowan will be our guest speaker. Larry will tell us about how the airport-scape of northern Illinois has changed. He is a realtor with a special interest in airports, their histories, and what became of them. So join us at the Barrington Public Library where the starting time is 7:30 PM with social time starting at 7 PM.

CHAPTER SCHOLARSHIP CONTEST

Once again, our board has voted to hold a flight-training scholarship contest this year. Students in the range of 15 years through college age will be eligible once the contest begins. Nancy Blazyk has been named scholarship chairperson and will be working on

details which will be announced at an upcoming meeting. Previous flight-training scholarship awards from Chapter 790 have been in the amount of \$500, the same authorized this year. Many thanks to Nancy for chairing our scholarship program this year.

PRESIDENT ELTON'S MESSAGE

As you read this month's newsletter, spring is literally around the corner and with daylight savings time, we have a longer time to fly. It also means that the clock is ticking fast towards our first Young Eagles Rally and of course all of the other flying events including AirVenture 2011.

Life and opportunity.... As the events of the past week unfold we look at a world that is so delicate yet a world that gives us so much opportunity to grow. Each day, we look with sadness as more and more casualties are recorded in Japan and as the economic and ecological damage mount up. As we look to God, the people of Japan are in our prayers.

We have wonderful opportunities in our chapter for us to grow in our love of flight and to help us be better aviators. In the past month, we have had a home visit at Paul Ranieri's workshop to see his Glastar project and later in February, our annual chapter banquet. Could opportunities be more diverse? A schedule of upcoming events can be found on our web page so you can plan to be at those events.

On July 19, 1989, the airwaves were alive with the news of a United DC-10 which crash-landed in Sioux City, Iowa after an explosion of its center tail mounted engine. Through the years much has been learned from that accident. Hearing about the events of the flight, you would have never thought there would be so many survivors. If you had to miss our banquet you unfortunately missed our guest speaker, Mr. Dennis Fitch, who was a major part of saving so many lives on that fateful day. In the beautiful setting of the Crystal Lake County Club, 63 members of our chapter were able to share many adventures with each other and leave with a closer bond to our aviation community.

We were also able to recognize members of our chapter that have given back to help fellow pilots in many areas of flight, technical and safety. Last year, our board began a new award that is called the "Spirit of Flight" award. The first recipient was Ole Sindberg. This year the "Spirit of Flight" award went to a member that has given so much thought to keeping members safe and contributes to our chapter in so many ways. He has made an impressive impact to our group - his devotion to our chapter is clearly seen. Mike Perkins has made such a positive contribution to our program it was easy for us to award this to him. Congratulations, Mike!

This month we have a very unique opportunity to share aviation history with a guest speaker. Our guest speaker will be Mr. Larry Rowan, a Managing Broker of Coldwell Banker Residential Brokerage. As a Realtor that loves local history, he has a longtime interest in local airports that are no longer around. Did you know that there was an airport near Barrington Road and 59? He discovered maps that show several former airport sites. Come to our next meeting and find out more!

Elton



ANNUAL BANQUET A SUCCESS

Once again our annual banquet was a wonderful affair. Dennis Fitch was our spell-binding guest speaker. Dennis was kind enough to stay around afterwards and talk to many of us pilot-to-pilot.

Awards were presented to our chapter officers, flight advisors, and tech counselors. Also, once a year we honor a particular member with our EAA Chapter 790 Spirit of Flight award; this year's recipient was Mike Perkins.

Many thanks are due to Lon Danek, Elton Eisele, and Ole Sindberg for their hard work in making this event a tremendous pleasure for those of us who attended.

Incidentally, if you were moved by Dennis Fitch's presentation or if you missed it, Tom Jackson reports that you can watch a one-hour video released a few years ago featuring Dennis as he discusses the fate of United 232 and some of the deeper meanings. To watch this video, click on

[Dennis Fitch - 1 hour presentation](#)

CONTEST: GUESS THE ITEM IN THIS PHOTO

If anyone has a clue as to what this object is, at our next meeting we will expose its owner and demand the story behind it.



EDITORIAL: SAVE OUR WHAT? GPS?

You probably already know about a company called LightSquared with their plans to install up to 40,000 towers in the US for their particular brand of 4G service.

The problem is that their frequency is very close to GPS frequencies. But that's only part of the story; it's sort of a David and Goliath situation:

GPS satellites: 12,000 miles away and transmit at 50 watts or less.

LightSquared: 40,000 US land-based transmitters each up to 15,000 watts.

With that many transmitters in the US, each would have to cover only 94 square miles. With one transmitter situated in the center of each coverage area, you could never be further than about five miles from the nearest, most of the time closer. Most of the time, you'd not be within range of just one, but quite a few. And that assumes that they don't fully-populate Alaska; if they don't, then the continental US would have yet a higher LightSquared transmitter density.

Simulated tests show that a Garmin 430W will entirely lose its fix in open sky within 5.6 miles of a LightSquared tower. Your dashboard Nuvi will hang on a bit longer and only lose its fix within about a mile. But in the "urban canyon" with numerous signal reflections, Nuvi coverage will probably disappear anytime you're within two miles of a tower.

The AOPA has filed a petition with the FCC for them to reconsider their decision. So has John Deere, GAMA, US GPS Industry Council, and Lockheed Martin; the latter operates two of the current 24 GPS satellites. The FAA, DoD, and USAF have also taken notice.

Honestly, what was the FCC thinking? Well, ahem, that's not hard to figure. LightSquared's corporate offices are whole 34 minutes from the FCC's headquarters in Washington, DC. Why? Read on.

Most of us admittedly enjoy the use of some wireless device, perhaps by carrying around a phone or a web-enabled PDA. LightSquared just wants to compete in a growing market with other 4G companies like AT&T and Verizon.

But if you think that the FCC operates like the FAA, you might need to take another look. The FCC sells, repeat SELLS, the US frequency spectrum to corporations, sometimes collecting billions of dollars in sales, capital B for Billions, for certain frequencies. The FCC is also deeply involved in the business dealings of wireless companies. It's not like the FAA, folks. It's more like Spectrum-R-Us, with cash registers fully-armed and cocked.

The chairman of this Goliath called FCC, Julius Genachowski, is proudly quoted on the LightSquared website saying, "I was pleased to learn of the formation of LightSquared today (July 2010). This new nationwide 4G wireless broadband network represents more than \$7 billion of new investment....." Please note that some of that investment goes straight to the FCC.

At first, LightSquared said they'd "show" Garmin how to make filters for their GPS units. More recently, however, the FCC told LightSquared that it must attempt to develop transmitter filters to prevent GPS interference. At the present, the FCC is expecting a report from LightSquared by June 15 on how they plan to do this. The USAF, DoD, and the FAA have all expressed interest in receiving this report. Count me in, too.

With this kind of money involved, the FCC has a lot to lose and so does LightSquared; their investment is h-u-g-e. In the mean time, they must somehow find a way to bend the laws of physics. Those with knowledge in GPS are very skeptical.

If the LightSquared fix doesn't work, then what? If you like writing to your representatives, now would be a good time. For more information, click on: <http://www.saveourgps.org/>

- Mike Perkins

ONLINE VIDEO PICK OF THE MONTH

Jonna Doolittle Hoppes is the granddaughter of Jimmy Doolittle; she speaks frequently about his story. She talks about how she's helped protect the general's reputation and aided the preservation of his memory, notably for the movie *Pearl Harbor*. She has written two books, *Calculated Risk-The Extraordinary Life of Jimmy Doolittle* and *Just Doing My Job-Stories of Service from World War II*. For the 10-minute video featuring Jonna Doolittle, click on [Doolittle](#). (This month's pick comes from Ron Liebmann.)

PERMANENT CHANGE TO NEWSLETTER FORMAT

The chapter board of directors recently approved this email-style format for all future newsletters. Previously, the format alternated monthly between the more elaborate "print" version and this email-format version.

For those signed up to receive newsletters by postal mail, you will still get a printed copy, but it will arrive in this simpler format.

INVITATION TO CHAPTER 1414 ANNUAL BANQUET

We are invited to join Poplar Grove EAA Chapter 1414's Annual Spring Banquet set for Saturday, March 26, 2011. It will be held at the Hoffman House, 7550 East State Street, Rockford IL. Cocktails at the cash bar will begin at 6:00 PM with dinner served at 7:00 PM. The menu is Prime Rib (\$32), Atlantic Salmon (\$25), Chicken Marsala (\$25), and Herb Roasted Pork Loin (\$25). Each includes garden salad, dinner roll, baked potato, mixed vegetables, coffee, tax and gratuity. Chapter 1414 will provide dessert. Checks should be sent no later than March 18, 2011 to Adolph Svec, Treasurer, 19009 River Rd, Marengo, IL, 60152.

BOOK REVIEW: *MUSTANG DESIGNER* by RAY WAGNER

How did the P-51 legend come into being? Frankly, this is not your usual aircraft book — it is written as a biography from the designer's point of view.

Courage and bravery, attributes normally given to fighter pilots, are not words bestowed upon most aircraft designers. Yet the story of Ed Schmued reveals courageousness and bravery that can only come with defending ideas that are both unique and controversial. They are the kinds of ideas that lead to true innovation.

The 1930's was a time of great advancements in aerodynamics, engines, and construction methods. Yet wartime aircraft were not yet taking advantage of a lot of that new knowledge. The battle in *Mustang Designer* was about making a vastly-different aircraft while under tremendous pressure to get a prototype into the air.

Mustang Designer describes the challenges Schmued and his entire design team faced, fighting against the calendar as World War II raged on without the yet-legendary fighter. This is not a long book and is really good reading.

Have you read an interesting book lately? Surely some of you have. How about sharing one of your favorites with your fellow chapter members by writing your own book review? Send to mike.perkins@rauland.com.

BOARD MEETING MINUTES

EAA Chapter 790
Board Meeting Minutes
March 1, 2011

The EAA 790 Board meeting was held at the home of Elton and Nancy Eisele. The meeting began at 7:40 p.m. Attendees were Nancy Blazyk, Glen Brisson, Lon Danek, Elton & Nancy Eisele, Tom LeGates, Ron Liebmann, Mike Perkins, Jim Pratt, Ole Sindberg, Tom Solar, Shane Stolarik and Barb Wilson.

Welcome to Guest: Shane Stolarik, first-time attending a board meeting.

Banquet: Feedback from the banquet was discussed. Our speaker was well received, but at times hard to hear, and we discussed how this might be corrected in the future. Overall we had 63 attendees, and Lon presented a recap of the banquet finances.

Financial Review: Lon presented a recap of chapter finances in 2010, which the board accepted as written. He then presented a proposed budget for 2011. A few items required discussion. Ole made a motion to accept the proposal, and this was seconded and approved by the board.

By-Laws: Lon suggested that the current chapter by-laws were in need of review and some revisions. He will initiate this review and report back to the board.

Incorporation: Lon questioned our incorporation status. Mike and Glen reviewed our current filing and confirmed we are a registered non-profit corporation within the state of Illinois. Lon will review our record keeping requirements to confirm we are in compliance.

Chapter Renewal: Elton confirmed our registration was in place with headquarters for 2011, and that our insurance is in force.

Young Eagles: Nancy indicated that 5/21 will be the first rally date if enough volunteers are lined up in advance. She was encouraged to put together rally dates for the remainder of the year,

and bring sign-up sheets to the next members meeting. Nancy will coordinated the rallies with LITH and will see to printed advertising. Jim will see to internet advertising. Elton will talk with Steve Taylor at OSH to establish a date for our chapter work weekend, which will aid in rally scheduling. Tom Solar presented a request from one of his Young Eagles to use chapter credits from 2010 flights to help him attend the Academy this summer, which the board approved. Nancy will coordinate the credits with OSH.

Upcoming Events: March events were reviewed. There will be a workshop visit with John Peroutka on the 19th. Our March speaker will be Larry Rowan discussing area airports which no longer exist.

Newsletter Format: Mike reiterated the need for more input to the newsletter from chapter members. He also suggested that we only use the simplified format going forward, and this was approved by the board.

Chapter Scholarship: Elton suggested that we actively look for candidates to present with a scholarship this year. Ways to do this were discussed, including printed advertising. Nancy will coordinate with Rob Nelson to put together a draft for board review.

The meeting was adjourned at 9:10 p.m.

Submitted, Tom LeGates, Interim Secretary

OVERHEARD

Memphis Center: *"Cessna 1234, the HOG MOA is hot. Recommend course or elevation change to remain clear."*

Cessna 1234: *"How many planes are in there? Usually if there's only a couple, I'll go on through."*

Memphis Center: *"Well, even if there's only one, you're supposed to remain clear. But we've got four A-10s with transponders off, and I can't see them on radar."*

Cessna 1234 (laughing) : *"O.K., I think you convinced me to remain clear."*

- *Copyright AvWeb March 2011 (really, really recent)*

AWARD: THANK YOU

Your newsletter co-editor and safety chairman wishes to thank you all for bestowing upon me the recent honor of Chapter 790's *Spirit of Flight Award*. You have no idea how much the award means to me, and what a surprise it was.

There are so many excellent EAA chapters, but I've always believed 790 to be one of the best. We have already accomplished so much in so many different areas. With the current leadership, we will continue to do even more, all the while having fun.

Thank you for allowing me the privilege of being a part of Team 790.

- Mike Perkins, 3/17/2011

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